

CCCCCCCCCCCC	DDDDDDDDDDDD	UUU	UUU
CCCCCCCCCCCC	DDDDDDDDDDDD	UUU	UUU
CCCCCCCCCCCC	DDDDDDDDDDDD	UUU	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
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CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCC	DDD	DDD	UUU
CCCCCCCCCCCC	DDDDDDDDDDDD	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU
CCCCCCCCCCCC	DDDDDDDDDDDD	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU
CCCCCCCCCCCC	DDDDDDDDDDDD	UUUUUUUUUUUUUUU	UUUUUUUUUUUUUUU

••FILE••ID••LISTING

H 1

```
1 0001 0 MODULE listing          (IDENT='V04-000'  
2 0002 0                         ADDRESSING_MODE(INTERNAL=GENERAL))  
3 0003 1 = BEGIN  
4 0004 1  
5 0005 1 *****  
6 0006 1 *  
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25 0025 1 *  
26 0026 1 *****  
27 0027 1 *  
28 0028 1 **  
29 0029 1 Facility: Command Definition Utility, Listing Generation  
30 0030 1  
31 0031 1 Abstract: This module is responsible for generating a listing of the  
32 0032 1 CLD files we are compiling. All files are listed in one  
33 0033 1 listing file, with headings, line numbers, and error messages.  
34 0034 1  
35 0035 1 Environment: Standard CDU environment.  
36 0036 1  
37 0037 1 Author: Paul C. Anagnostopoulos  
38 0038 1 Creation: 1 December 1982  
39 0039 1  
40 0040 1 Modifications:  
41 0041 1 --  
42 0042 1  
43 0043 1  
44 0044 1 library 'sys$library:lib';  
45 0045 1 require 'cdureq';
```

```
47 0459 1 !      T A B L E      O F      C O N T E N T S
48 0460 1 !
49 0461 1 -----
50 0462 1 forward routine
51 0463 1      cdu$prepare_listing_file: novalue,
52 0464 1      cdu$reject_listing_page: novalue,
53 0465 1      cdu$report_listing_line: novalue
54 0466 1      cdu$report_listing_trailer: novalue
55 0467 1
56 0468 1
57 0469 1 !      E X T E R N A L      R E F E R E N C E S
58 0470 1 !
59 0471 1 -----
60 0472 1 external routine
61 0473 1      cdu$report_listing_heading2,
62 0474 1      cdu$report_rms_error,
63 0475 1      cli$get_value,
64 0476 1      cli$present,
65 0477 1      lib$lp_lines,
66 0478 1      str$trim;
67 0479 1
68 0480 1 external
69 0481 1      cdu$facility_string: descriptor,
70 0482 1      cdu$gl_cld_errors: long;
71 0483 1
72 P 0484 1 $shr_msgdef(cdu,17,local,
73 P 0485 1      (openout,severe),
74 P 0486 1      (writeerr,error)
75 0487 1      );
```

```
77 0488 1 :      L I S T I N G   F I L E   C O N T R O L   B L O C K S
78 0489 1 : -----
79 0490 1 :
80 0491 1 : The following items define the RMS control blocks needed to create and
81 0492 1 : generate the listing file.
82 0493 1 :
83 0494 1 own
84 P 0495 1     listing_nam: $nam(
85 0496 1             ),
86 0497 1
87 0498 1     dbuffer(listing_spec,nam$c_maxrss),
88 P 0499 1     listing_fab: $fab(
89 P 0500 1             dnm='LIS',
90 P 0501 1             fna=listing_spec+8,
91 P 0502 1             fns=%allocation(listing_spec)-8,
92 P 0503 1             fac=put,
93 P 0504 1             fop=<sqo,nam,ofp>,
94 P 0505 1             nam=listing_nam,
95 P 0506 1             org=seq,
96 P 0507 1             rat=cr,
97 P 0508 1             rfm=var
98 0509 1             ),
99 0510 1
100 P 0511 1     listing_rab: $rab(
101 P 0512 1             fab=listing_fab,
102 P 0513 1             rac=seq,
103 P 0514 1             rop=wbh
104 0515 1             );
105 0516 1
106 0517 1 :      L I S T I N G   C O N T R O L
107 0518 1 : -----
108 0519 1 :
109 0520 1 : The following items keep track of the page number and the line count within
110 0521 1 : a page.
111 0522 1 :
112 0523 1 own
113 0524 1     page_number: long,
114 0525 1     line_count: long;
```

```
116 0526 1 ++  
117 0527 1 | Description: This routine is called to prepare the listing file for the  
118 0528 1 | next CLD file listing.  
119 0529 1 |  
120 0530 1 | Parameters: cld_fab By reference, the FAB for the new CLD file.  
121 0531 1 |  
122 0532 1 | Returns: Nothing.  
123 0533 1 |  
124 0534 1 | Notes: The listing file is created on the first call.  
125 0535 1 |--  
126 0536 1 |  
127 0537 1 | GLOBAL ROUTINE cdu$prepare_listing_file(cld_fab: pointer) : novalue  
128 0538 2 | = BEGIN  
129 0539 2 |  
130 0540 2 | local status: long;  
131 0541 2 |  
132 0542 2 |  
133 0543 2 |  
134 0544 2 | ! Determine if we are to generate a listing file.  
135 0545 2 |  
136 0546 3 | if cli$present(dtext('LISTING')) then  
137 0547 3 |  
138 0548 3 | ! If we have not already created the listing file, do so.  
139 0549 3 |  
140 0550 4 | if .listing_fab[fab$w_ifi] eqiu 0 then  
141 0551 4 |  
142 0552 4 | ! Get any value specified on the listing qualifier to use as  
143 0553 4 | ! the spec for the listing file.  
144 0554 4 |  
145 0555 4 | cli$get_value(dtext('LISTING'),listing_spec);  
146 0556 4 |  
147 0557 4 | ! Use the CLD file NAM block as the related NAM block for our  
148 0558 4 | ! listing file.  
149 0559 4 |  
150 0560 4 | listing_nam[nam$1_rlf] = .cld_fab[fab$l_nam];  
151 0561 4 |  
152 0562 4 | ! Create and connect to the listing file.  
153 0563 4 |  
154 0564 4 | status = $create(fab=listing_fab);  
155 0565 5 | if .status then  
156 0566 5 | status = $connect(rab=listing_rab);  
157 0567 5 | if not .status then  
158 0568 5 | cdu$report_rms_error(msg(cdu$openout),listing_rab);  
159 0569 4 | ) else cdu$report_rms_error(msg(cdu$openout),listing_fab);  
160 0570 4 |  
161 0571 3 | );  
162 0572 3 |  
163 0573 3 | ! Prepare for a new listing by resetting the page number and  
164 0574 3 | ! ejecting the page.  
165 0575 3 |  
166 0576 3 | page_number = 0;  
167 0577 3 | cdu$eject_listing_page();  
168 0578 2 |);  
169 0579 2 |  
170 0580 2 | return;  
171 0581 2 |  
172 0582 1 | END;
```

```
.TITLE LISTING
.IDENT \V04-000\

.PSECT $PLIT$,NOWRT,NOEXE,2

00 47 4E 49 53 49 4C 2E 00000 P.AAA: .ASCII \.LIS\
00 47 4E 49 53 49 4C 00004 P.AAC: .ASCII \LISTING\<0>
010E0007 0000C P.AAB: .LONG 17694727
0000000000 00010 .ADDRESS P.AAC
00 47 4E 49 53 49 4C 00014 P.AAE: .ASCII \LISTING\<0>
010E0007 0001C P.AAD: .LONG 17694727
0000000000 00020 .ADDRESS P.AAE

.PSECT $OWN$,NOEXE,2

02 00000 LISTING_NAM:
60 00001 .BYTE 2
00 00002 .BYTE 96
00 00003 .BYTE 0
00000000 00004 .LONG 0
00 00008 .BYTE 0
00 00009 .BYTE 0
00 0000A .BYTE 0
00 0000B .BYTE 0
00000000 0000C .LONG 0
00000000 00010 .LONG 0
0000# 00014 .WORD 0[8]
0000# 00024 .WORD 0[3]
0000# 0002A .WORD 0[3]
00000000 00030 .LONG 0
00000000 00034 .LONG 0
00 00038 .BYTE 0
00 00039 .BYTE 0
00 0003A .BYTE 0
00 0003B .BYTE 0
00 0003C .BYTE 0
00 0003D .BYTE 0
00# 0003E .BYTE 0[2]
00000000 00040 .LONG 0
00000000 00044 .LONG 0
00000000 00048 .LONG 0
00000000 0004C .LONG 0
00000000 00050 .LONG 0
00000000 00054 .LONG 0
00000000# 00058 .LONG 0[2]
00FF 00060 LISTING_SPEC:
.WORD 255
00 00 00062 .BYTE 0, 0
00000000 00064 .ADDRESS LISTING_SPEC+8
00068 .BLKB 255
00167 .BLKB 1
03 00168 LISTING_FAB:
50 00169 .BYTE 3
50 00169 .BYTE 80
```

0000	0016A	.WORD	0
21000040	0016C	.LONG	553648192
00000000	00170	.LONG	0
00000000	00174	.LONG	0
00000000	00178	.LONG	0
0000	0017C	.WORD	0
01	0017E	.BYTE	1
00	0017F	.BYTE	0
00000000	00180	.LONG	0
00	00184	.BYTE	0
00	00185	.BYTE	0
02	00186	.BYTE	2
02	00187	.BYTE	2
00000000	00188	.LONG	0
00000000	0018C	.LONG	0
00000000	00190	.ADDRESS	LISTING_NAM
00000000	00194	.ADDRESS	LISTING_SPEC+8
00000000	00198	.ADDRESS	P.AAA
FF	0019C	.BYTE	-1
04	0019D	.BYTE	4
0000	0019E	.WORD	0
00000000	001A0	.LONG	0
0000	001A4	.WORD	0
00	001A6	.BYTE	0
00	001A7	.BYTE	0
00000000	001A8	.LONG	0
00000000	001AC	.LONG	0
0000	001B0	.WORD	0
00	001B2	.BYTE	0
00	001B3	.BYTE	0
00000000	001B4	.LONG	0
01	001B8	LISTING_RAB:	
44	001B9	.BYTE	1
0000	001BA	.WORD	0
00000400	001BC	.LONG	1024
00000000	001C0	.LONG	0
00000000	001C4	.LONG	0
0000#	001C8	.WORD	0[3]
0000	001CE	.WORD	0
00000000	001D0	.LONG	0
0000	001D4	.WORD	0
00	001D6	.BYTE	0
00	001D7	.BYTE	0
0000	001D8	.WORD	0
0000	001DA	.WORD	0
00000000	001DC	.LONG	0
00000000	001E0	.LONG	0
00000000	001E4	.LONG	0
00000000	001E8	.LONG	0
00	001EC	.BYTE	0
00	001ED	.BYTE	0
00	001EE	.BYTE	0
00	001EF	.BYTE	0
00000000	001F0	.LONG	0
00000000	001F4	.ADDRESS	LISTING_FAB
00000000	001F8	.LONG	0

001FC PAGE\_NUMBER:  
 00200 LINE\_COUNT:  
 .BLKB 4  
 .BLKB 4

.EXTRN CDU\$REPORT\_LISTING\_HEADING2  
 .EXTRN CDJ\$REPORT\_RMS\_ERROR  
 .EXTRN CLIS\$GET\_VALUE, CLIS\$PRESENT  
 .EXTRN LIB\$LP\_LINES, STR\$TRIM  
 .EXTRN CDU\$FACILITY\_STRING  
 .EXTRN CDU\$GL\_CLD\_ERRORS  
 .EXTRN SYSS\$CREATE, SYSS\$CONNECT

.PSECT \$CODE\$, NOWRT, 2

00000000G 00 52	0000: 0004 00000	.ENTRY CDU\$PREPARE_LISTING_FILE. Save R2	0537
	0000: CF 9E 00002	MOVAB LISTING_FAB, R2	
	0000: CF 9F 00007	PUSHAB P.AAB	0546
	01 FB 0000B	CALLS #1, CLIS\$PRESENT	
	50 E9 00012	BLBC R0, 4\$	
	02 A2 B5 00015	TSTW LISTING_FAB+2	0550
	46 12 00018	BNEQ 3\$	
00000000G 00 54	FEF8 C2 9F 0001A	PUSHAB LISTING_SPEC	0555
	0000: CF 9F 0001E	PUSHAB P.AAD	
00000000G 00 50	02 FB 00022	CALLS #2, CLIS\$GET_VALUE	
FEA8 C2 04	AC D0 00029	MOVL CLD_FAB, R0	0560
	A0 D0 0002D	MOVL 40(R0), LISTING_NAM+16	
00000000G 00 12	52 DD 00033	PUSHL R2	0564
	01 FB 00035	CALLS #1, SYSS\$CREATE	
	50 E9 0003C	BLBC STATUS, 1\$	0565
00000000G 00 14	50 A2 9F 0003F	PUSHAB LISTING_RAB	0566
	01 FB 00042	CALLS #1, SYSS\$CONNECT	
	50 E8 00049	BLBS STATUS, 3\$	0567
00000000G 00 14	50 A2 9F 0004C	PUSHAB LISTING_RAB	0568
	02 11 0004F	BRB 2\$	
	52 DD 00051 1\$:	PUSHL R2	0570
00000000G 00 001110A4	8F DD 00053 2\$:	PUSHL #1118372	
	02 FB 00059	CALLS #2, CDU\$REPORT_RMS_ERROR	
0000V CF 0094	C2 D4 00060 3\$:	CLRL PAGE_NUMBER	0576
	00 FB 00064	CALLS #0, CDU\$EJECT_LISTING_PAGE	0577
	04 00069 4\$:	RET	0582

: Routine Size: 106 bytes. Routine Base: \$CODE\$ + 0000

```
174 0583 1 /*+  
175 0584 1 Description: This routine is called to eject the page in the listing file.  
176 0585 1 It produces a nice set of heading lines at the top of the page.  
177 0586 1  
178 0587 1 Parameters: None.  
179 0588 1  
180 0589 1 Returns: Nothing.  
181 0590 1  
182 0591 1 Notes:  
183 0592 1 --  
184 0593 1  
185 0594 1 GLOBAL ROUTINE cdu$eject_listing_page : novalue  
186 0595 2 = BEGIN  
187 0596 2  
188 0597 2  
189 0598 2 ! Increment the page number and reset the line count for the new page.  
190 0599 2  
191 0600 2 increment(page_number);  
192 0601 2 line_count = lib$lp_lines() - 5;  
193 0602 2  
194 0603 2 ! Generate a form feed.  
195 0604 2  
196 0605 2 cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(%char(FF)));  
197 0606 2  
198 0607 2 ! Generate a line containing the date and time, utility name, and page number.  
199 0608 2  
200 0609 2 cdu$report_listing_line(msg(cdu$_heading1),nobabble+3,0,cdu$facility_string,.page_number);  
201 0610 2  
202 0611 2 ! Generate a line containing information about the CLD file we are compiling.  
203 0612 2 ! It's easier to just call a routine in the LEXICAL module.  
204 0613 2  
205 0614 2 cdu$report_listing_heading2();  
206 0615 2  
207 0616 2 ! Put out two blank lines.  
208 0617 2  
209 0618 2 cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(''));  
210 0619 2 cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(''));  
211 0620 2  
212 0621 2 return;  
213 0622 2  
214 0623 1 END;
```

.PSECT \$PLIT\$,NOWRT,NOEXE,2

00 00 00 0C 00024	P.AAG:	.ASCII <12><0><0><0>
010E0001	00028	P.AAF: .LONG 17694721
00000000'	0002C	.ADDRESS P.AAG
010E0000	00030	P.AAI: .BLKB 0
00000000'	00030	P.AAH: .LONG 17694720
010E0000	00034	.ADDRESS P.AAI
00000000'	00038	P.AAK: .BLKB 0
010E0000	00038	P.AAJ: .LONG 17694720
00000000'	0003C	.ADDRESS P.AAK

.EXTRN CDU\$\_ANYTHING, CDU\$\_HEADING1

```

.PSECT $CODE$,NOWRT,2

      .ENTRY CDUSEJECT_LISTING_PAGE, Save R2,R3 : 0594
      MOVAB CDUSREPORT_LISTING_LINE, R3
      MOVL #CDUS_ANYTHING, R2
      INCL PAGE_NUMBER
      CALLS #0, [IBSLP_LINES
      MOVAB -5(R0), LINE_COUNT
      PUSHAB P.AAF
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      PUSHL PAGE_NUMBER
      PUSHAB CDUSFACILITY_STRING
      CLRL -(SP)
      PUSHL #65539
      PUSHL #CDUS_HEADING1
      CALLS #5, CDUSREPORT_LISTING_LINE
      CALLS #0, CDUSREPORT_LISTING_HEADING2
      PUSHAB P.AAH
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      PUSHAB P.AAJ
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      RET
: 0600
: 0601
: 0605
: 0609
: 0614
: 0618
: 0619
: 0623

```

: Routine Size: 111 bytes. Routine Base: \$CODE\$ + 006A

,EXTRN SYSSPUT

```

0004 00000 WRITE_LINE:
      .WORD Save R2
      MOVAB LISTING_RAB, R2
      MOVL LINE, R0
      MOVW (R0), LISTING_RAB+34
      MOVL 4(R0), LISTING_RAB+40
      PUSHL R2
      CALLS #1, SYSSPUT
      BLBS STATUS, 1$  

      PUSHL R2
      PUSHL #1118418
      CALLS #2, CDU$REPORT_RMS_ERROR
      CLRL R0
      RET

```

; Routine Size: 50 bytes. Routine Base: \$CODE\$ + 00D9

```

: 254      0662 2
: 255      0663 2
: 256      0664 2 ! if a listing file is not being generated, just return.
: 257      0665 2
: 258      0666 2
: 259      0667 2      if .listing_fab[fab$w_ifi] eqiu 0 then
: 260      0668 2          return;
: 261      0669 2      ! If there are no lines left on the current page, then eject it.
: 262      0670 2
: 263      0671 2      if .line_count eqiu 0 then
: 264      0672 2          cdu$eject_listing_page();
: 265      0673 2
: 266      0674 2      ! Use $PUTMSG to format the message lines. It will call our action routine
: 267      0675 2      ! to write them into the listing file.
: 268      0676 2
: P 0677 2      $putmsg(msgvec=argptr(),
: 270      0678 2          actrtn=.rite_line);
: 271      0679 2
: 272      0680 2      ! Account for the current line.
: 273      0681 2
: 274      0682 2      decrement(line_count);
: 275      0683 2      return;
: 276      0684 2
: 277      0685 1 END;

```

.EXTRN SY\$PUTMSG

0000' 0000 00000	0000' CF B5 00002	.ENTRY CDU\$REPORT_LISTING_LINE, Save nothing	0636
0000' 0000 00006	1D 13 00006	TSTW LISTING_FAB+2	0666
0000' 0000 00008	CF D5 00008	BEQL 2\$	0671
FF4C CF	05 12 0000C	TSTL LINE_COUNT	0672
00000000G 00	00 FB 0000E	BNEQ 1\$	0678
	7E 7C 00013	CALLS #0, CDUEJECT_LISTING_PAGE	0682
	1\$: B6 AF 9F 00015	CLRQ -(SP)	0685
	5C DD 00018	PUSHAB WRITE_LINE	
	0000' 04 FB 0001A	PUSHL AP	
	CF D7 00021	CALLS #4, SY\$PUTMSG	
	04 00025 2\$:	DECL LINE_COUNT	
		RET	

; Routine Size: 38 bytes. Routine Base: \$CODE\$ + 010B

```

279 0686 1 ++
280 0687 1 Description: This routine is called after a CLD file has been completely
281 0688 1 listed. It generates a nice little trailer in the listing
282 0689 1 file, which includes the error count and the command line
283 0690 1 that invoked the CDU.
284 0691 1
285 0692 1 Parameters: None.
286 0693 1
287 0694 1 Returns: Nothing.
288 0695 1
289 0696 1 Notes:
290 0697 1 !--
291 0698 1
292 0699 1 GLOBAL ROUTINE cdu$report_listing_trailer : novalue
293 0700 2 = BEGIN
294 0701 2
295 0702 2
296 0703 2 ! Skip down a couple of lines and report the error count, unless it's zero.
297 0704 2
298 0705 2 cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(''));
299 0706 2 if .cdu$gl_cld_errors nequ 0 then (
300 0707 3   cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(''));
301 0708 3   cdu$report_listing_line(msg(cdu$_errorcount),nobabble+1,.cdu$gl_cld_errors);
302 0709 2 )
303 0710 2
304 0711 2 ! Skip down another line and report the command line.
305 0712 2
306 0713 2 cdu$report_listing_line(msg(cdu$_anything),nobabble+1,dtext(''));
307 0714 2 with_dbuffer(command_line,1024,
308 0715 2   cli$get_value(dtext('$LINE'),command_line);
309 0716 2   str$trim(command_line,command_line,command_line);
310 0717 2   cdu$report_listing_line(msg(cdu$_commandline),nobabble+1,command_line);
311 0718 2 )
312 0719 2
313 0720 2 return;
314 0721 2
315 0722 1 END;

```

.PSECT \$PLIT\$,NOWRT,NOEXE,2

010E0000	00040 P.AAM:	.BLKB 0
00000000	00040 P.AAL:	.LONG 17694720
010E0000	00044 P.AAO:	.ADDRESS P.AAM
00000000	00048 P.AAN:	.BLKB 0
010E0000	00048 P.AAO:	.LONG 17694720
00000000	0004C P.AAN:	.ADDRESS P.AAO
00050 P.AAQ:	.BLKB 0	
010E0000	00050 P.AAP:	.LONG 17694720
00000000	00054 P.AAP:	.ADDRESS P.AAQ
00 00 00 45 4E 49	00058 P.AAS:	.ASCII '\\$LINE\<0>\<0>\<0>
4C 24	00060 P.AAR:	.LONG 17694725
010E0005	00064 P.AAS:	.ADDRESS P.AAS
00000000		
		.EXTRN CDUS_ERRORCOUNT
		.EXTRN CDUS_COMMANDLINE

```

.PSECT $CODE$,NOWRT,2

      .ENTRY CDUSREPORT_LISTING_TRAILER, Save R2,R3,R4 : 0699
      MOVAB CDUSGL_CLD_ERRORS, R4
      MOVAB CDUSREPORT_LISTING_LINE, R3
      MOVL #CDUS_ANYTHING, R2
      MOVAB -1032(SP), SP
      PUSHAB P.AAL
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL CDUSGL_CLD_ERRORS
      BEQL 1$ : 0705
      PUSHAB P.AAN
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL CDUSGL_CLD_ERRORS
      BEQL 1$ : 0706
      PUSHAB P.AAN
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL CDUSGL_CLD_ERRORS
      BEQL 1$ : 0707
      PUSHAB P.AAN
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL CDUSGL_CLD_ERRORS
      BEQL 1$ : 0708
      PUSHAB P.AAN
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL CDUS_ERRORCOUNT
      BEQL 1$ : 0713
      PUSHAB P.AAP
      PUSHL #65537
      PUSHL R2
      CALLS #3, CDUSREPORT_LISTING_LINE
      TSTL #1024, COMMAND_LINE
      MOVZWL COMMAND_LINE
      MOVAB COMMAND_LINE+8, COMMAND_LINE+4 : 0718
      PUSHL SP
      PUSHAB P.AAR
      PUSHL SP
      CALLS #2, CLISGET_VALUE
      PUSHL SP
      PUSHAB COMMAND_LINE
      PUSHAB COMMAND_LINE
      CALLS #3, STR$TRIM
      PUSHL SP
      PUSHL #65537
      PUSHL #CDUS_COMMANDLINE
      CALLS #3, CDUSREPORT_LISTING_LINE : 0722
      RET

```

; Routine Size: 147 bytes,    Routine Base: \$CODE\$ + 0131

; 316    0723 1  
; 317    0724 1 END  
; 318    0725 0 ELUDOM

## PSECT SUMMARY

Name	Bytes	Attributes
------	-------	------------

LISTING  
V04-000

I 2

15-Sep-1984 23:42:47  
14-Sep-1984 11:58:24

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[CDU.SRC]LISTING.B32;1

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(7)

: \$OWNS  
: \$PLITS  
: \$CODES

516 NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)  
104 NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)  
452 NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

#### Library Statistics

File	----- Symbols -----			Pages Mapped	Processing Time
	Total	Loaded	Percent		
_S255\$DUA28:[SYSLIB]LIB.L32;1	18619	54	0	1000	00:01.8

#### COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:LISTING/OBJ=OBJ\$:LISTING MSRC\$:LISTING/UPDATE=(ENH\$:LISTING)

: Size: 452 code + 620 data bytes  
: Run Time: 00:14.4  
: Elapsed Time: 00:45.3  
: Lines/CPU Min: 3031  
: Lexemes/CPU-Min: 27700  
: Memory Used: 129 pages  
: Compilation Complete

0044 AH-BT13A-SE  
VAX/VMS V4.0

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